THE TRANSPORTATION SITUATION IN THE USER AND EASTERN NUMBERS SATELLITES

I. Introduction

The transportation capabilities of the Sine-feviet Rice have generally been commonwrate with the requirements placed upon them. Annual freight traffic plans have usually been fulfilled, and often surpassed. It has been common Blue practice to substitute transport inputs in the form of longer hauls for capital inputs which have been behind schedule. The ability of the transport system to absorb such demands indicates an element of excess capacity as well as considerable flexibility. The degree of utilization of railroad capacity in the Bloc is such higher, however, them exists in Western Countries.

The principal transport problem of the Bloc, last to its own transport devices.

is the problem of supply of Communist China and the Soviet Far East. The Trans-Siberian Smilroad and its connections to China are now compelled to carry heavy temmages for this supply at very high cost compared to waterborne sevement of the same goods.

This problem is being attacked on two fronts: (1) a rapid increase in the production and equipment of dry and liquid cargo vessels employing both Bloc and Western Yards, and (2) the commutation of another overland connection between the USER and Communist China using a portion of the South-Siberian Rullroad as the Soviet main-lime link.

Inland freight traffic, predeminantly by rail in the Bloc, increased 65 percent in the European Satellites from 1950 to 1955 in terms of tem-kilometers and 64 percent in the USSR. Comparable gains in Destern Europe and in the US were, respectively 26 percent and 20 percent. In 1955 the railroads carried 90 percent of the total tom-kilometers of inland freight in the European fatellites, and 83 percent in the USSR. The share of the railroads in the US was only 49 percent.

Truck transportation in the Bloc consists largely of local cartage and short hauls from farm to market. Inland waterways, occan shipping, pipelines, and civil air transportation facilities in the Bloc are less comprehensive and less unli-developed than in the West although modern equipment is presently being installed and the systems expanded. Bloc management is constantly striving, moreover, to achieve coordination in the utilization of the various transport media and to reduce the degree of dependence on the railroads.

The fact that the Bloc transportation system operates at now capacity commins an element of weakness as well as one of economical practice. Constant annual increases in truffic, relatively low levels of capital ingut, and pressure to obtain high levels of operational output reduce the flexibility of the system, particularly its ability to accommodate sudden large increases in traffic.

Another factor of weakness in the transportation system of the Bloc is the difference in the gauge of the USER railroads (5'0") and those of the European Satellites (4'8 1/2") and China (4'8 1/2"). This serves to delay not only the international exchange of goods, but also the provision of logistic support to the military. The transleading of rail shipments at border points between the USEE and other Bloc countries, twice between the Baropean Batallites and China, is both coatly and time-consuming.

II. Railroads

A. USER

The length of the railroads in operation in the USER at the end of 1956 is estimated to have been 121,600 route kiloseters, an increase of approximately 900 route-kiloseters above that in 1955. An estimated 5 percent, or about 6,000 route-kiloseters were electrified at the end of 1955. Construction of new lines in 1956 was directed primarily toward the Central Eiberian network in support of the agricultural and industrial development of that area.

In 1956 the railrends of the USSR attained a level or tom-kilometer performance 30 percent above that of 1950. Freight traific output of the USSR exceeded US railrend output by 14 percent in 1956. Plans for 1960 call for an increase of 2/ percent ever the 1956 level in the USSR. This growth has been maintained through intensive utilization of rail facilities and equipment. However, insufficient attention has been given to the adoption of modern active power and improved signalling facilities and other traffic control mechanisms. In spite of this, the railroads of the USSR have been able to perform adequately those services required by the account and transportation has not been a hindrance to the economic growth of the country.

Continued growth in the output of Soviet reilroads can be maintained only through the adoption of never types of motive power and important technological innovations in signalling, communications, and other nepocts of railroad operation. The substantial capital investment required for this new technology is, in fact, in the process of being realized. Extensive investment in dissolization and also trification during the 1956-50 period is the greatest improvement being effected. In commection with the program, sidings are being longthmed, yards expanded, new repair facilities built, agentalling modernized, track and readbed strengthened, and larger modern freight care built.

B. Burapean Satellites

Bailroad construction efforts in the Barapean Sabellites during 1951-55 were facilities directed primarily toward improving and modernizing existing/rather than toward building new railroad lines. The sain cumphasis is now construction was toward building

lines to bypass capital cities so as to speed the flow of traffic. Among the other railroad developments were the completion of several large international bridges, the electrification of several railroad lines, the expansion of pards and stations, and the installation of improved signal and communication facilities.

Transportation systems in the Europeum Satellites achieved substantial growth in freight traffic during 1951-55. Although performance data indicate that there has been a slight diversion of traffic from the railroads to other forms of inland transportation, rail transport still carries the great bulk of internal commerce and remains by far the most important inland freight carrier in the area.

Investment in the transport sector, which had been high in the immediate post-World War II years, was small during 1951-55 relative to the increase in freight truific performance. The impressive achievements is traffic performance were made possible in large part by increasing the intensity of utilisation of equipment and facilities that is, through improving operating efficiency. There are many indications that the Satellite transportation systems have found in difficult to handle steadily increasing traffic demands and that shortness of transportation may have, in a few instances, retarded scheduled economic growth.

As in the case of the First Five Year Plans, investments in rail transport under the Second Five Year Flans in the Suropean Satellites are to be at an intensive rather than an extensive nature, geared primarily toward improving and extensising rather than extending railroad facilities. An outstanding feature of the new Satellite plans for rail transport is the provision for the beginning of a changeover from steam to electric and diesel notive power. Diesel and electric leseactives, which handled only an ineignificant volume of traffic in 1955, are to account for 16 percent of total rail traffic in 1960.

In spits of plans for increased investment the European Satellites apparently istend to continue policies of operating at near especity in the 1956-60 plan period. Consequently, the occurries of these countries will probably continue to be plagued with recurring local transportation difficulties of a temporary mature similar to these being experienced at present.

III. Illebrays

USER

The length of the highway network of the USER is estimated at approximately 1.53 million kilometers as of the end of 1955. (May 13 percent of the network consisted of hard surface, all-weather roads. A large part of the new construction is 1956 was confined to the area of the New Lands, and suce emphasis was given to rouds in industrial areas of European USSR. It is protable that physical expansion of the highway net will continue at a dow pace, since there has been little demand for intercity roads, due Approved For Release 2000/08/26: CIA-RDP61S00527A000200080047-7

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mainly to the high cost of long-asel motor traffic relative to rail and water.

Emphasis on new road construction for the most several years will probably be placed upon short feeder roads to support rail and water carriers.

In 1956 highway transport accounted for only 3.8 percent of total freight traffic velues in terms of ton-kilometers. This will probably increase to 4.8 percent of the total by 1960. Nost of this will continue to be short-bank traffic in support of other carriers.

B. Baropean Satellites

Road construction activity in the European Satellites during 1951-55 consisted largely of maintenance and improvement of existing reads rather than extensive building of new highways. An increase in the share of highway transport in total inland traffic from 3.3 percent in 1950 to 4.6 percent in 1955 reflects the development of that carrier as a feeder service for the railroads rather than as a long-distance, competitive form of transportation. Although motor vehicle inventories were enganded in all of the Satellite countries, growth in the Satellite truck park since 1950 has not kept pace with the 96- percent increase shown in Western Europe in 1950-55.

Pellowing the same general pattern as that for railroad construction, inventments in road construction under the Second Five Year Plans in the European Estellites are to be directed primarily toward sedernizing the existing read not. Increases in truck inventories are planned, but these appear to be modest in comparison with planned traffic increases. Fulfillment of highway traffic plans thus will apparently depend upon more effective utilization of equipment to an even larger degree than will fulfillment of railroad traffic plans.

IV. Inland Waterways

A. USER

The inland unterway system of the UEER is estimated to have consisted of 132,000 kilometers of navigable rivers, canals, and routes on inland seas in 1955. While little was invested for network expansion in 1956, considerable effort was expanded on channel and part facility improvements. The most important future changes in the inland water system will result from the opastruction of an extensive series of dams on many of the major rivers. Completion of these dams will improve service by riffring the water layer, thus permitting larger, nowe officient craft to operate.

Puture plans for inland suterway transport and aggarantly to be directed largely toward floot expansion, mechanization of carge handling, and port improvements. Heavy of the part improvements will be required by the damaged exter largels of new reservoirs. These effects are intended to improve vessel availability, increase reliability of scheduled movements, and reduce excepsive desarrage in port.

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.. B. Maropean Satellitus

In spite of rather ambitious plans, that expension of inland-water facilities in the European Satellites since 1950 has been negligible. Work on the waterways Shomeelves has been restricted largely to maintenance rather than Amprovement or expension of the existing network. The share of inland water transport in total traffic increased slightly, from 4.9 to 5.1 percent maring 1950-55, but remained for below the 11.0 percent share which in had in 1936.

Place for inland water transportation in the Satellites indicate that relatively little attention is to be devoted to developing this form of transportation in the Second Pive Year Plans. Principal exphasis appears to be directed toward expending and modernizing fleets and improving port loading and unloading facilities. Fleet inventory data embounced in the Second Pive Year Plans do not penuit statistical comparison of planned traffic and fleet increases. It is believel, however, that planned increases in fleet inventories are noticet relative to planned traffic increases.